MONTHLY BULLETIN

OF

THE OBSERVATORY

AMERICAN UNIVERSITY OF BEIRUT

FORMERLY

SYRIAN PROTESTANT COLLEGE

BEIRUT, SYRIA

LAT. 33° 54′ 22″ N.

LONG. E. FROM GREENWICH 35° 28′ 10″

SEPTEMBER, 1933

J. A. BROWN, DIRECTOR

Printed at the American Press
Beirut, Syria

SEPTEMBER 1933

METEOROLOGICAL REGISTER

Date	Barometer reduced to o°C Sea level and 45° Latitude 700 mm+...				Thermometer Cent.					
	8:30	14:30	20:30	Mean	Max.	Min.	8:30	14:30	20:30	Mean
1	59.8	58.9	58.6	59.1	30.2	22.8	27.8	29.7	25.6	27.7
2	8.8	7.3	7.8	8.6	30.6	23.3	27.7	29.8	25.3	27.6
3	8.4	7.7	8.1	8.1	30.2	24.7	26.1	29.2	25.1	26.8
4	8.7	8.2	8.5	8.5	30.7	22.2	26.7	30.1	24.4	27.1
5	8.7	7.9	8.1	8.2	30.1	21.4	26.6	29.7	24.5	26.9
6	58.3	58.1	58.9	58.4	29.8	22.8	27.0	29.3	24.3	26.9
7	9.7	9.3	9.6	9.5	30.6	22.2	27.0	29.0	24.9	26.9
8	60.1	9.1	8.7	9.3	29.6	22.8	26.4	28.8	23.7	26.3
9	59.0	8.0	8.2	8.4	29.4	22.0	26.6	28.6	23.9	26.4
10	8.8	8.4	6.3	7.8	30.6	22.6	27.7	29.9	24.8	27.5
11	59.9	57.8	58.1	58.3	30.7	22.0	27.1	27.4	24.6	26.4
12	8.0	6.7	6.1	6.9	29.4	21.8	26.7	28.2	24.8	26.6
13	7.1	7.0	7.1	7.1	29.4	25.2	25.5	28.4	23.4	25.8
14	9.7	9.1	9.2	9.3	29.9	21.1	26.4	28.9	24.3	26.5
15	9.3	8.3	8.5	8.7	29.3	21.6	27.2	28.9	24.4	26.8
16	58.7	57.1	56.8	57.5	29.4	21.3	25.9	23.7	23.7	26.1
17	6.0	5.4	6.0	5.8	29.9	20.4	25.6	29.2	24.5	26.4
18	5.9	6.7	8.0	7.2	28.8	22.3	26.1	27.4	22.2	25.2
19	8.6	8.7	9.5	8.9	28.1	21.1	25.8	27.6	23.4	25.6
20	60.2	9.5	60.7	60.2	28.1	20.3	25.6	27.3	23.2	25.4
21	61.3	60.1	59.8	60.4	29.0	21.3	26.6	27.2	24.4	26.1
22	59.4	57.7	7.5	58.3	30.4	22.9	26.7	29.8	24.9	27.1
23	7.0	5.9	6.1	6.3	30.4	22.9	27.0	28.4	23.7	26.4
24	6.9	6.6	6.8	6.8	29.8	21.4	27.1	28.9	24.1	26.7
25	8.6	7.8	8.6	8.3	30.3	21.1	26.6	29.8	23.6	26.7
26	58.3	57.8	58.2	58.1	29.1	21.1	25.3	28.2	23.8	25.8
27	8.2	7.5	8.0	7.9	28.1	21.2	26.4	27.4	23.6	25.8
28	7.3	6.8	7.3	7.1	27.3	21.0	26.3	26.3	19.6	24.1
29	8.2	8.4	9.5	8.7	27.0	18.9	23.6	25.4	21.3	23.4
30	61.1	60.8	61.4	61.1	28.1	19.7	23.8	27.6	21.8	24.1
	758.70	757.95	758.20	758.28	29.51	22.78	26.36	28.50	23.86	26.23

Barometer, Range for month 755.4 –761.4 m.m.

,, 50-yr. average for month 758.957 m.m.

Thermometer, Range for month 18.9°—30.7° C.

,, 50-yr. average for month 27.13° C.

Rain, Total for month 12.19 m.m.

,, , 50-yr average for month 7.37 m.m.

,, , total Sept. 1st to end of month 12.19 m.m.

,, , 50-yr. average, Sept 1st to end of month 7.37 m.m

SEPTEMBER 1933
METEOROLOGICAL REGISTER

Date	Wet Bulb Cent.			Elasticity of Vapor m.m.				Relative Moisture per cent.				Sun hrs.	Rain m.m.
	8:30	14:30	20:30	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Mean		
1	22.0	26.0	24.4	15.5	21.7	21.6	19.6	56	69	89	71	9.5	
2	21.4	22.8	21.7	14.6	15.6	16.6	15.6	53	50	69	57	10.0	
3	22.1	23.1	22.6	16.8	16.4	18.4	17.2	66	54	77	66	7.0	
4	21.7	23.7	22.1	15.6	16.9	17.8	16.8	59	53	78	63	8.5	
5	22.8	24.3	22.3	17.7	18.2	18.3	18.1	68	58	80	69	10.7	
6	23.7	24.0	21.7	19.1	17.9	17.3	18.1	72	59	77	69	11.0	
7	22.6	23.7	21.9	16.9	17.6	17.3	17.2	63	59	74	65	10.5	
8	21.8	23.0	21.1	15.9	16.5	16.6	16.3	62	56	77	65	10.0	
9	21.6	23.1	21.2	15.6	16.9	16.6	16.4	61	58	75	65	10.4	
10	22.8	23.3	21.4	16.9	16.3	6.4	16.5	61	53	70	61	9.0	
11	23.2	24.9	21.8	18.1	21.1	17.2	18.8	68	77	75	73	9.2	
12	22.1	21.9	21.5	16.2	15.0	14.2	15.1	62	53	72	62	9.0	
13	19.8	22.3	20.1	13.5	15.6	15.0	14.7	55	55	70	60	8.9	
14	20.4	21.3	20.4	13.8	13.7	15.0	14.2	53	46	67	55	10.0	
15	21.4	22.6	21.6	15.0	15.8	17.0	15.9	55	53	76	61	10.3	
16	21.3	22.6	20.9	16.3	15.3	16.2	16.1	66	54	74	65	9.0	
17	21.7	24.3	20.9	16.4	18.6	15.8	16.9	67	62	70	66	8.0	
18	19.3	20.6	18.6	12.4	13.4	13.4	13.1	49	49	67	55	10.0	
19	20.4	20.4	18.7	14.2	13.2	12.6	13.5	56	48	61	55	10.0	
20	20.0	21.1	19.7	13.7	14.4	14.5	14.2	56	53	69	59	11.0	
21	21.8	22.5	21.9	16.7	16.7	17.6	17.0	66	62	78	69	10.5	
22	21.3	23.0	20.0	14.6	13.4	14.0	14.0	55	42	59	52	8.5	
23	23.7	23.6	21.9	22.2	17.7	18.2	19.4	64	62	83	70	8.5	
24	22.8	23.6	21.7	18.3	17.4	17.4	17.7	70	58	78	69	8.5	
25	21.3	22.2	21.4	15.7	14.6	17.2	15.8	62	47	78	62	8.2	
26	21.7	23.6	21.0	17.2	16.3	16.3	16.6	72	57	74	68	8.0	
27	19.8	21.0	18.9	12.8	12.6	13.1	12.8	51	51	60	54	8.0	
28	19.1	19.9	18.1	12.0	13.1	14.3	13.1	49	51	85	62	0.0	5.08
29	20.8	20.3	19.1	16.2	14.2	14.9	15.1	75	59	78	71	5.5	7.11
30	22.6	21.1	19.1	19.4	14.6	14.5	16.2	89	56	74	73	8.5	
	21.55	22.99	20.92	15.97	16.04	16.19	16.06	62.0	55.4	73.8	63.7	8.60	0.406

Height of Barometer above sea level: 33.7 meters.
" " Thermometers above ground:
Dry and wet 1.55 m.; Max. 1.75 m.; Min. 1.70 m
Rim of Rain Gauge: above ground 0.56 m.; above sea level 30.31 m.
Time of readings minus 2 hours equals G. C. T.
0-year averages are for period, 1875-1924

SEPTEMBER 1933

METEOROLOGICAL REGISTER

Date	Clouds. Clear—0 Overcast—10				Direction and force of Wind 0—10			Wind per day	Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Km.		
1	3cu	5cu	10stcu	6.0	2sw	1sw	0	307.7	stormy	
2	5cu	0	10stcu	5.0	2sw	1sw	0	145.9	mod.	
3	9cu	1cu	8cu	6.0	1nw	1nw	0	173.0	„	
4	1cu	1cu	8cu	5.3	1nw	1nw	0	354.0	„	
5	0	0	0	0.0	1w	1w	0	118.6	„	
6	6cu	1cu	0	2.3	1nw	2nw	0	206.6	„	
7	0	3cu	5cu	2.6	0	1sw	0	156.1	„	
8	1cu	4cu	0	1.6	1n	1n	0	198.5	slight	
9	3cu	1cu	1cu	1.6	1n	1n	0	162.5	stormy	
10	1cu	2cu	6cu	3.0	1nw	1nw	0	165.7	mod.	
11	0	0	5cu	1.6	2w	2w	0	358.0	stormy	
12	3cu	4stcu	5cu	4.0	3s	2sw	4s	728.0	„	
13	7cu	5cu	1cu	4.3	3s	3s	1s	333.5	„	
14	3cu	1stcu	1cu	1.6	1w	1nw	0	162.5	„	traces of rain
15	1cu	1cu	10cu	4.0	1n	1nw	0	160.9	mod.	
16	2cu	0	0	0.6	1w	3w	1w	343.9	slight	
17	1cu	1cu	6cu	2.6	2sw	3w	4w	631.0	„	
18	6cu	2cu	0	2.6	2w	2nw	0	481.8	mod.	traces of rain
19	3cu	3cu	6cu	4.0	2sw	4sw	1w	281.6	„	
20	1ci	2cu	4cu	2.3	1w	3w	0	193.7	light	
21	2cu	9cu	0	3.6	0	2w	3w	354.0	mod.	
22	0	0	0	0.0	2w	3sw	2w	254.2	„	
23	0	0	0	0.0	1w	3w	0	147.5	„	
24	0	0	0	0.0	0	2w	0	124.9	light	
25	1ci	0	0	0.3	1w	1w	0	166.7	„	
26	5cicu	1ci	6cu	4.0	2w	3w	1w	349.9	„	
27	4cu	2cu	9cu	5.0	6sw	3w	2w	938.1	„	
28	6cu	7cu	9ni	7.3	6w	4w	2ne	276.4	mod.	
29	7ni	7cu	3cu	5.6	3sw	1w	0	406.6	stormy	
30	6stcu	2ci	0	2.6	2w	1w	1w	366.9	„	
				2.91	52	58	22	301.62	mod.	
					1.7	1.9	0.7			

Number of Daily Wind Observations

Time	N	NE	E	SE	S	SW	W	NW	Calm
8:30	3	0	0	0	2	6	12	4	3
14:30	2	0	0	0	1	6	14	8	0
20:30	0	1	0	0	2	0	8	0	19
Totals	5	1	0	0	5	12	34	12	22

Number of days with rain 4, fog 0, thunderstorm 0, gale 0.

50-yr average number of days with rain during month 1.2